

ABSTRACT OF THE DISCLOSURE

In an assembly including a diesel engine, a fluid coupling connected to the flywheel of the diesel engine, a comminuting machine and a conveyor for feeding the comminuting machine, a fluid coupling module is common to various output power train assemblies. Slip speed of the fluid coupling between impeller input and runner output shafts is measured, and modulates or regulates the process feed rate of the conveyor. An electrically actuated control valve acts as an oil flow diverter valve directing oil into the fluid coupling impeller when a signal to engage the coupling is given, and in response to a signal from an over-temperature sensor when the temperature of circuit oil leaving the element exceeds a preset set point value, diverts the oil to a reservoir, thereby permitting the impeller and runner cavity to evacuate, which separates the engine from the load.